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RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/09/909,460

TIME: 11:36:21

Input Set : N:\Crf3\RULE60\09909460.raw.txt

Output Set: N:\CRF3\01032002\I909460.raw

1 <110> APPLICANT: Lunsford, Lynn B.
 2 Putnam, David
 3 Hedley, Mary Lynn
 4 <120> TITLE OF INVENTION: MICROPARTICLES FOR DELIVERY OF NUCLEIC
 5 ACID
 6 <130> FILE REFERENCE: 08191/014001
 7 <140> CURRENT APPLICATION NUMBER: 09/909,460
 8 <141> CURRENT FILING DATE: 2001-07-18
 9 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/321,346
 W--> 10 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-27
 12 <160> NUMBER OF SEQ ID NOS: 114
 13 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 23
 17 <212> TYPE: PRT
 18 <213> ORGANISM: Homo sapiens
 19 <400> SEQUENCE: 1
 20 Gly Arg Thr Gln Asp Glu Asn Pro Val Val His Phe Phe Lys Asn Ile
 21 1 5 10 15
 22 Val Thr Pro Arg Thr Pro Pro
 23 20
 25 <210> SEQ ID NO: 2
 26 <211> LENGTH: 22
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Homo sapiens
 29 <400> SEQUENCE: 2
 30 Ala Val Tyr Val Tyr Ile Tyr Phe Asn Thr Trp Thr Thr Cys Gln Phe
 31 1 5 10 15
 32 Ile Ala Phe Pro Phe Lys
 33 20
 35 <210> SEQ ID NO: 3
 36 <211> LENGTH: 13
 37 <212> TYPE: PRT
 38 <213> ORGANISM: Homo sapiens
 39 <400> SEQUENCE: 3
 40 Phe Lys Met Arg Met Ala Thr Pro Leu Leu Met Gln Ala
 41 1 5 10
 43 <210> SEQ ID NO: 4
 44 <211> LENGTH: 36
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Homo sapiens
 47 <400> SEQUENCE: 4
 48 Tyr Val Gly Leu Gln Leu Ile Gln Leu Ile Asn Val Asp Glu Val Asn
 49 1 5 10 15
 50 Gln Ile Val Thr Thr Asn Val Arg Leu Lys Gln Gln Trp Val Asp Tyr
 51 20 25 30
 52 Asn Leu Lys Trp

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55 <210> SEQ ID NO: 5
56 <211> LENGTH: 20
57 <212> TYPE: PRT
58 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 5
60   Gln Ile Val Thr Thr Asn Val Arg Leu Lys Gln Gln Trp Val Asp Tyr
61       1                               5               10               15
62   Asn Leu Lys Trp
63       20
65 <210> SEQ ID NO: 6
66 <211> LENGTH: 7
67 <212> TYPE: PRT
68 <213> ORGANISM: Homo sapiens
69 <400> SEQUENCE: 6
70   Gln Trp Val Asp Tyr Asn Leu
71       1                               5
73 <210> SEQ ID NO: 7
74 <211> LENGTH: 18
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 7
78   Gly Gly Val Lys Lys Ile His Ile Pro Ser Glu Lys Ile Trp Arg Pro
79       1                               5               10               15
80   Asp Leu
82 <210> SEQ ID NO: 8
83 <211> LENGTH: 12
84 <212> TYPE: PRT
85 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 8
87   Ala Ile Val Lys Phe Thr Lys Val Leu Leu Gln Tyr
88       1                               5               10
90 <210> SEQ ID NO: 9
91 <211> LENGTH: 20
92 <212> TYPE: PRT
93 <213> ORGANISM: Homo sapiens
94 <400> SEQUENCE: 9
95   Trp Thr Pro Pro Ala Ile Phe Lys Ser Tyr Cys Glu Ile Ile Val Thr
96       1                               5               10               15
97   His Phe Pro Phe
98       20
100 <210> SEQ ID NO: 10
101 <211> LENGTH: 13
102 <212> TYPE: PRT
103 <213> ORGANISM: Homo sapiens
104 <400> SEQUENCE: 10
105   Met Lys Leu Gly Thr Trp Thr Tyr Asp Gly Ser Val Val
106       1                               5               10
108 <210> SEQ ID NO: 11

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109 <211> LENGTH: 13
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
112 <400> SEQUENCE: 11
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116 <210> SEQ ID NO: 12
117 <211> LENGTH: 9
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 12
121     Trp Thr Tyr Asp Gly Ser Val Val Ala
122         1             5
124 <210> SEQ ID NO: 13
125 <211> LENGTH: 17
126 <212> TYPE: PRT
127 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 13
129     Ser Cys Cys Pro Asp Thr Pro Tyr Leu Asp Ile Thr Tyr His Phe Val
130         1             5             10             15
131     Met
133 <210> SEQ ID NO: 14
134 <211> LENGTH: 18
135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 14
138     Asp Thr Pro Tyr Leu Asp Ile Thr Tyr His Phe Val Met Gln Arg Leu
139         1             5             10             15
140     Pro Leu
142 <210> SEQ ID NO: 15
143 <211> LENGTH: 21
144 <212> TYPE: PRT
145 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 15
147     Phe Ile Val Asn Val Ile Ile Pro Cys Leu Leu Phe Ser Phe Leu Thr
148         1             5             10             15
149     Gly Leu Val Phe Tyr
150         20
152 <210> SEQ ID NO: 16
153 <211> LENGTH: 13
154 <212> TYPE: PRT
155 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 16
157     Leu Leu Val Ile Val Glu Leu Ile Pro Ser Thr Ser Ser
158         1             5             10
160 <210> SEQ ID NO: 17
161 <211> LENGTH: 19
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens

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164 <400> SEQUENCE: 17
165   Ser Thr His Val Met Pro Asn Trp Val Arg Lys Val Phe Ile Asp Thr
166       1               5               10               15
167   Ile Pro Asn
169 <210> SEQ ID NO: 18
170 <211> LENGTH: 18
171 <212> TYPE: PRT
172 <213> ORGANISM: Homo sapiens
173 <400> SEQUENCE: 18
174   Asn Trp Val Arg Lys Val Phe Ile Asp Thr Ile Pro Asn Ile Met Phe
175       1               5               10               15
176   Phe Ser
178 <210> SEQ ID NO: 19
179 <211> LENGTH: 18
180 <212> TYPE: PRT
181 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 19
183   Ile Pro Asn Ile Met Phe Phe Ser Thr Met Lys Arg Pro Ser Arg Glu
184       1               5               10               15
185   Lys Gln
187 <210> SEQ ID NO: 20
188 <211> LENGTH: 16
189 <212> TYPE: PRT
190 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 20
192   Ala Ala Ala Glu Trp Lys Tyr Val Ala Met Val Met Asp His Ile Leu
193       1               5               10               15
195 <210> SEQ ID NO: 21
196 <211> LENGTH: 19
197 <212> TYPE: PRT
198 <213> ORGANISM: Homo sapiens
199 <400> SEQUENCE: 21
200   Ile Ile Gly Thr Leu Ala Val Phe Ala Gly Arg Leu Ile Glu Leu Asn
201       1               5               10               15
202   Gln Gln Gly
204 <210> SEQ ID NO: 22
205 <211> LENGTH: 20
206 <212> TYPE: PRT
207 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 22
209   Gly Gln Thr Ile Glu Trp Ile Phe Ile Asp Pro Glu Ala Phe Thr Glu
210       1               5               10               15
211   Asn Gly Glu Trp
212               20
214 <210> SEQ ID NO: 23
215 <211> LENGTH: 20
216 <212> TYPE: PRT
217 <213> ORGANISM: Homo sapiens
218 <400> SEQUENCE: 23

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219      Met Ala His Tyr Asn Arg Val Pro Ala Leu Pro Phe Pro Gly Asp Pro
220          1                      5                      10                      15
221      Arg Pro Tyr Leu
222          20
224 <210> SEQ ID NO: 24
225 <211> LENGTH: 15
226 <212> TYPE: PRT
227 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 24
229      Leu Asn Ser Lys Ile Ala Phe Lys Ile Val Ser Gln Glu Pro Ala
230          1                      5                      10                      15
232 <210> SEQ ID NO: 25
233 <211> LENGTH: 15
234 <212> TYPE: PRT
235 <213> ORGANISM: Homo sapiens
236 <400> SEQUENCE: 25
237      Thr Pro Met Phe Leu Leu Ser Arg Asn Thr Gly Glu Val Arg Thr
238          1                      5                      10                      15
240 <210> SEQ ID NO: 26
241 <211> LENGTH: 16
242 <212> TYPE: PRT
243 <213> ORGANISM: Hepatitis B virus
244 <400> SEQUENCE: 26
245      Pro Leu Gly Phe Phe Pro Asp His Gln Leu Asp Pro Ala Phe Gly Ala
246          1                      5                      10                      15
248 <210> SEQ ID NO: 27
249 <211> LENGTH: 17
250 <212> TYPE: PRT
251 <213> ORGANISM: Hepatitis B virus
252 <400> SEQUENCE: 27
253      Leu Gly Phe Phe Pro Asp His Gln Leu Asp Pro Ala Phe Gly Ala Asn
254          1                      5                      10                      15
255      Ser
257 <210> SEQ ID NO: 28
258 <211> LENGTH: 10
259 <212> TYPE: PRT
260 <213> ORGANISM: Hepatitis B virus
261 <400> SEQUENCE: 28
262      Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile
263          1                      5                      10
265 <210> SEQ ID NO: 29
266 <211> LENGTH: 10
267 <212> TYPE: PRT
268 <213> ORGANISM: Hepatitis B virus
269 <400> SEQUENCE: 29
270      Arg Ile Leu Thr Ile Pro Gln Ser Leu Asp
271          1                      5                      10
273 <210> SEQ ID NO: 30
274 <211> LENGTH: 13

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VERIFICATION SUMMARY

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Input Set : N:\Crif3\RULE60\09909460.raw.txt

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